

IN THE CLAIMS

Claims 1-32 are canceled.

33. (New) An elongated tubular body suitable for use within a human body which has a cylindrical wall defining an inner lumen therein, which is formed of a superelastic alloy consisting essentially of about 30 to about 52% titanium, about 38 to 52% nickel, and to about 20% of one or more elements selected from the group consisting of cobalt and chromium in a stable austenite phase which will transform to martensite phase upon the application of stress, which will exhibit a recoverable strain of at least about 4% from the application of stress which transforms the austenite phase to the martensite phase and which has been fabricated by a thermomechanical processing which includes a final cold working of about 10 to about 75% and then a memory imparting heat treatment at a temperature of about 450° to about 600° C.

34. (New) The tubular body of claim 33 wherein the stress level at which the austenite phase transforms to the martensite phase is above 50 ksi.

35. (New) The tubular body of claim 33 wherein the austenite-to-martensite transformation occurs at a relatively constant yield stress above about 70 ksi.

36. (New) The tubular body of claim 35 having an outer diameter of about 0.006 to about 0.05 inch and a wall thickness of about 0.001 to about 0.004 inch.

37. (New) A tubular body for use within a lumen of a human body, comprising:
a cylindrical shaped tubular member including an alloy of cobalt, chromium and nickel, wherein the alloy is cold worked about 10% to 40%, and having a wall thickness of about 0.001 to 0.004 inch and an outer diameter of about 0.006 to 0.05 inch.

38. (New) A tubular element for placement within a lumen of a human body, comprising:
a hollow tubular shaped element having an inner lumen extending therein, and includes an alloy of cobalt, chromium and nickel, and an element selected from the group consisting of vanadium, palladium, platinum, and niobium, wherein the alloy is cold worked.

39. (New) The tubular element of claim 38, wherein the alloy is cold worked about 10% to 40%.

40. (New) The tubular element of claim 38, wherein the hollow tubular shaped element has an outer diameter of about 0.05 to 0.006 inch.

41. (New) The tubular element of claim 38, wherein the hollow tubular shaped element has a wall thickness of about 0.001 to 0.004 inch.